

Claims:

1. An internal antenna for a handset,

wherein at least one inductive (L) and/or capacitive (C) element (L/C element) is attached to a slot line of the antenna to match a resonant frequency of the
5 antenna.

2. The antenna according to claim 1, wherein the attached L/C element is moved along the slot line to match the resonant frequency.

10 3. The antenna according to claim 1 or 2, wherein the L/C element having a predetermined inductance/capacitance is attached and detached to match the resonant frequency.

4. A method of designing an internal antenna for a handset,

15 wherein at least one inductive (L) and/or capacitive (C) element (L/C element) is attached to a slot line of the antenna to match a resonant frequency of the antenna.

20 5. The method according to claim 4, wherein the attached L/C element is moved along the slot line to match the resonant frequency.

6. The method according to claim 4 or 5, wherein the L/C element having

a predetermined inductance/capacitance is attached and detached to match the resonant frequency.